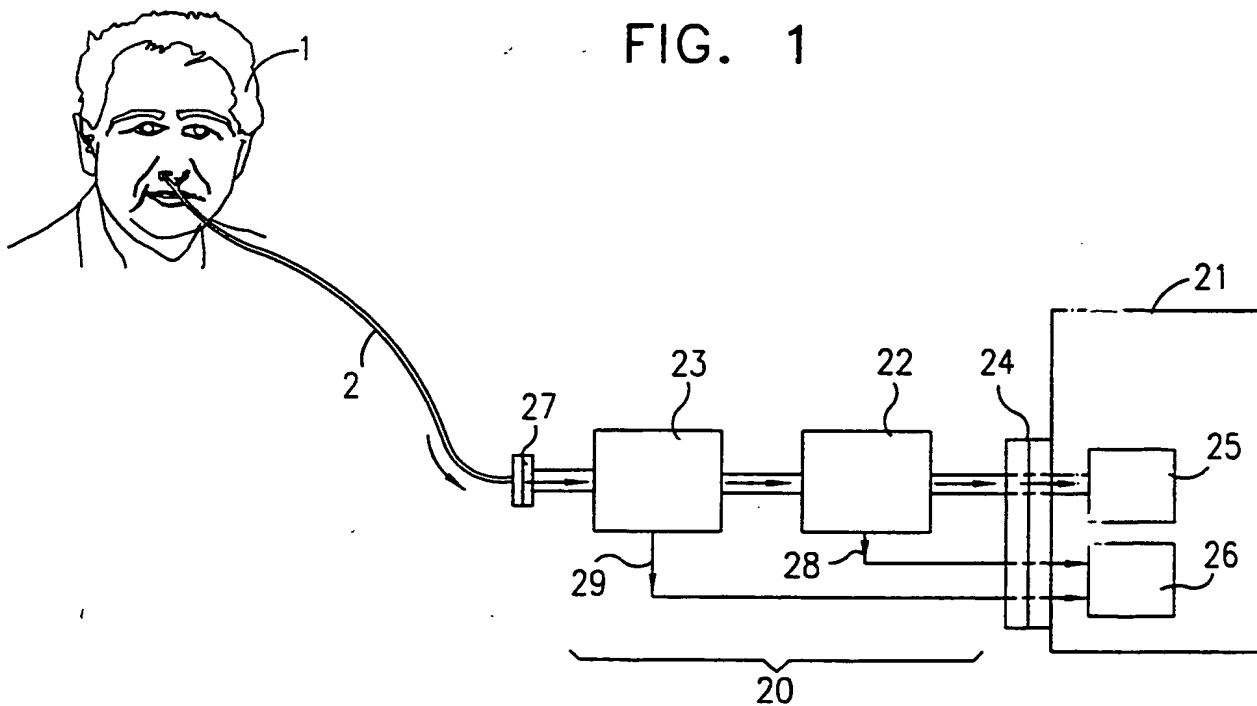


FIG. 1



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FIG. 2A

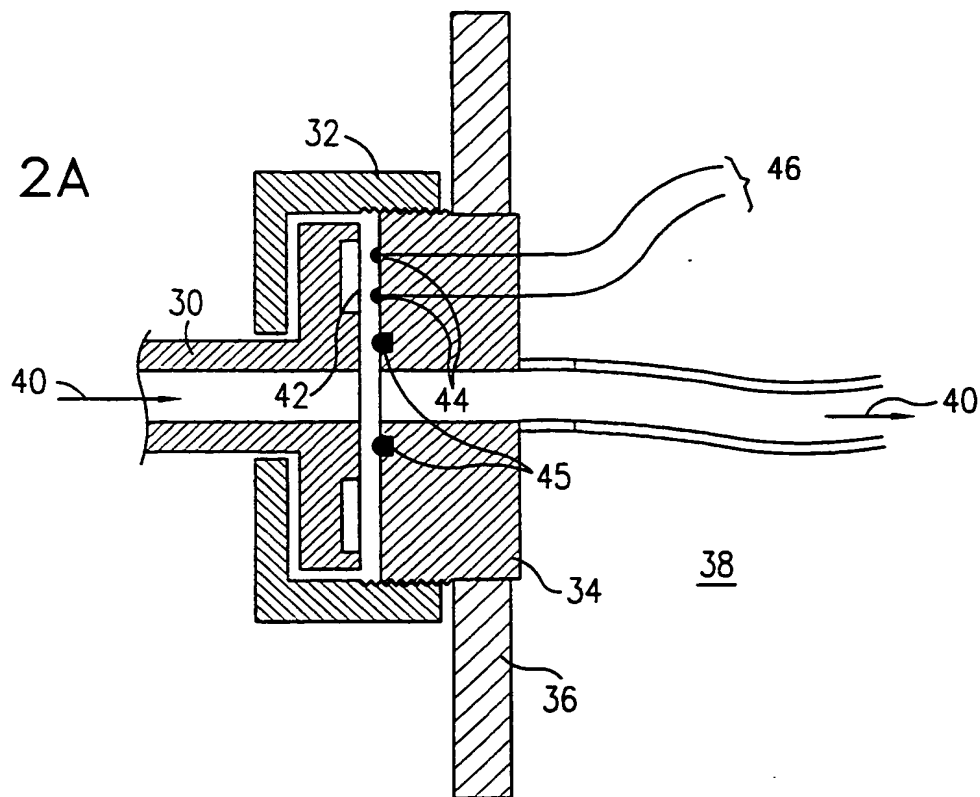
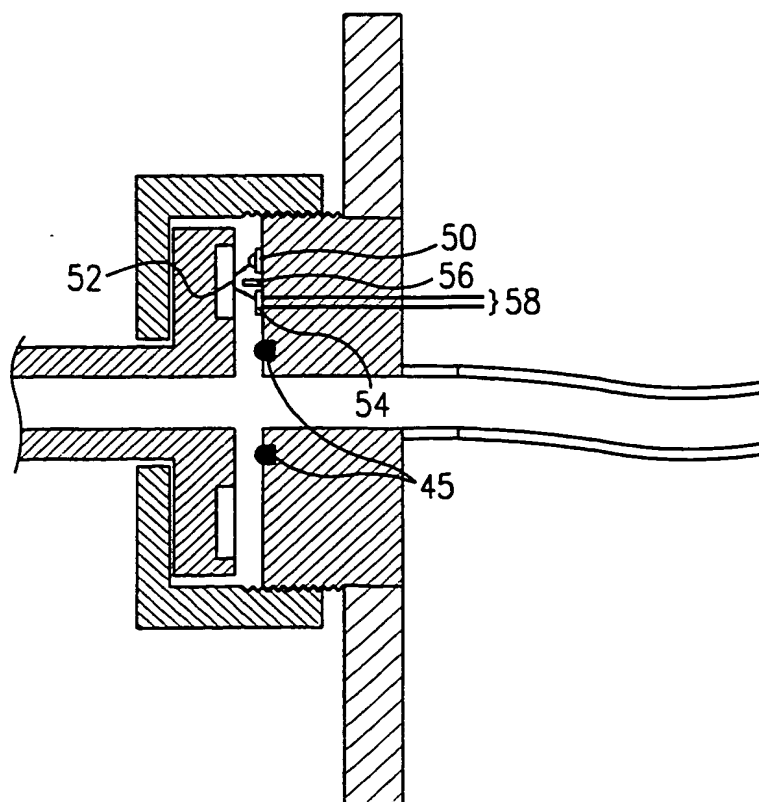
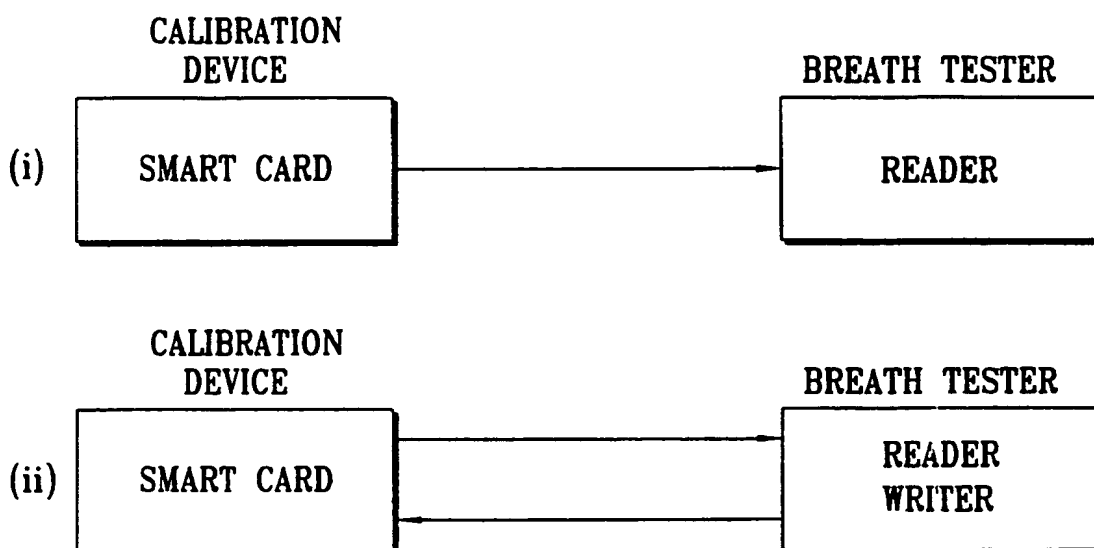


FIG. 2B



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FIG. 2C



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FIG. 3

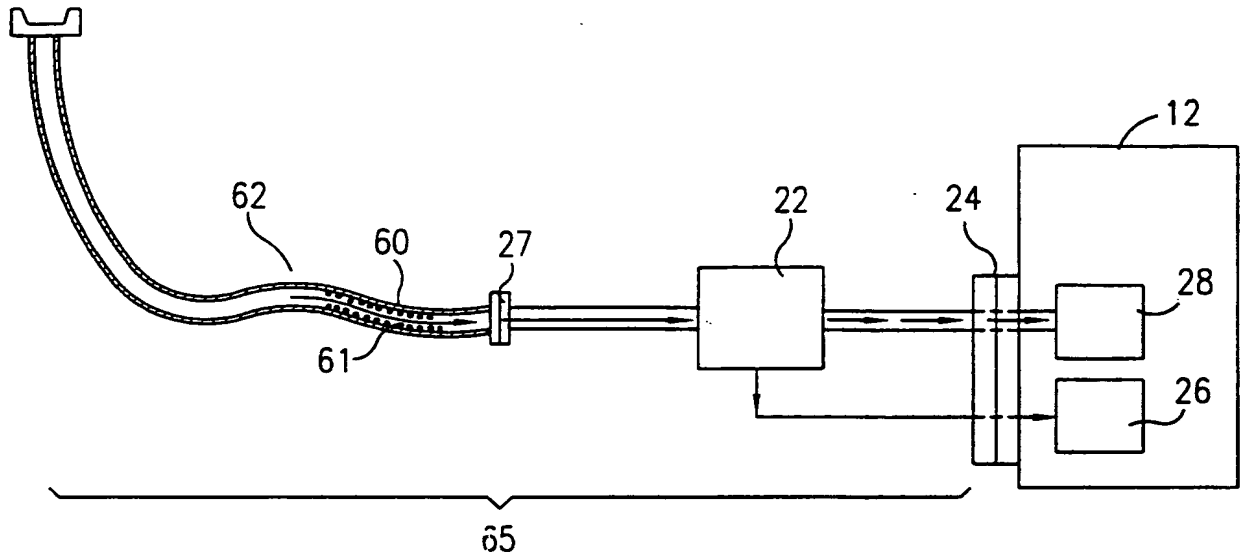
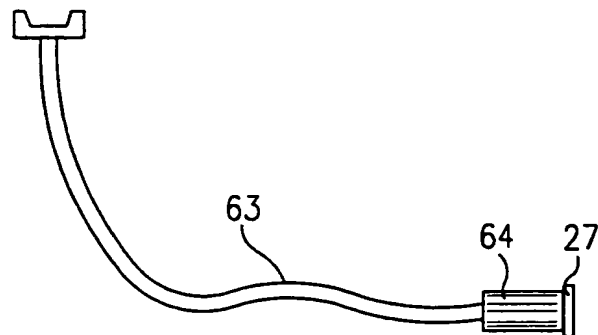
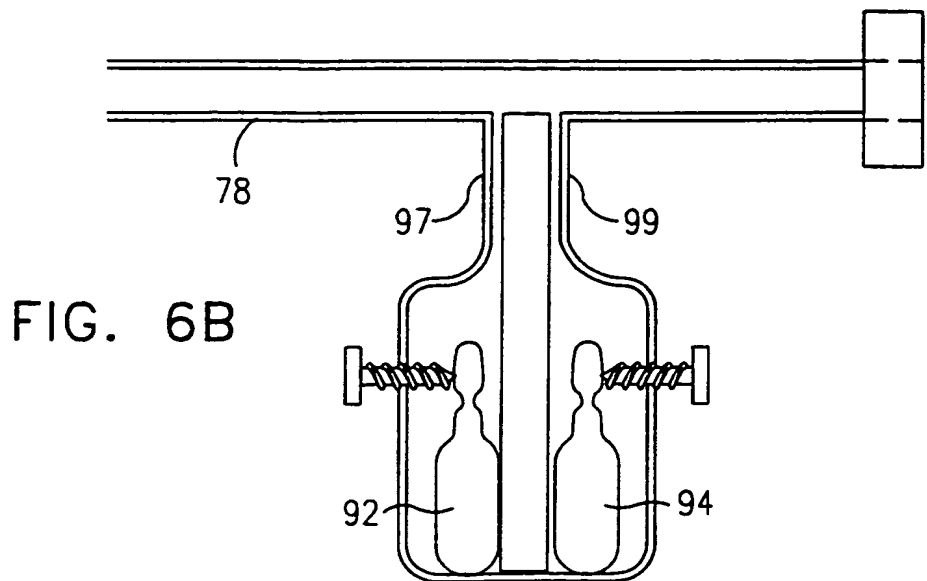
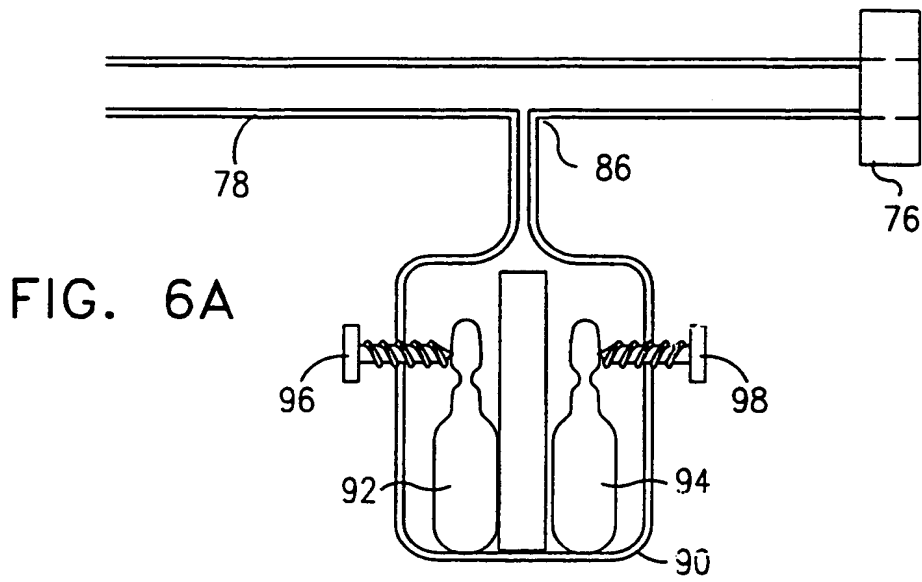
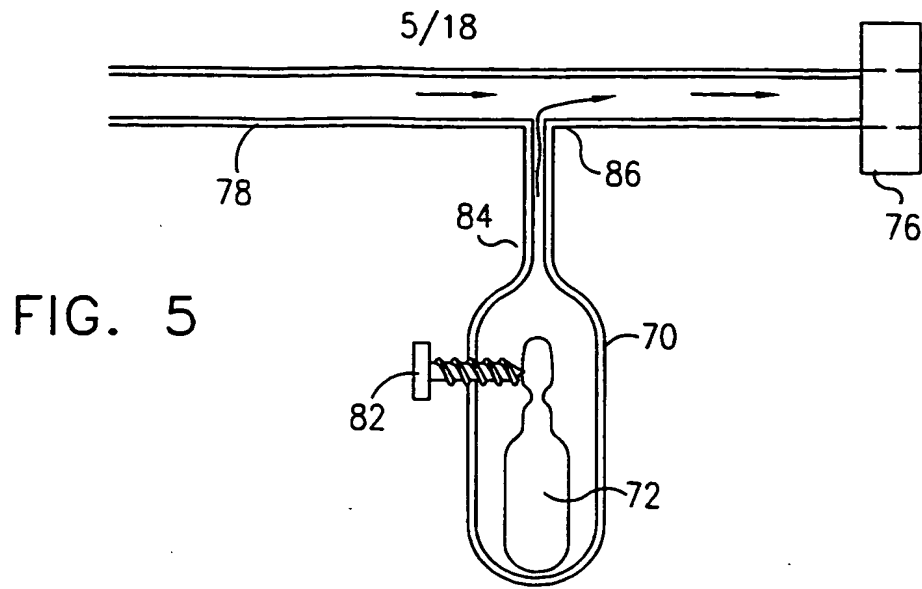


FIG. 4





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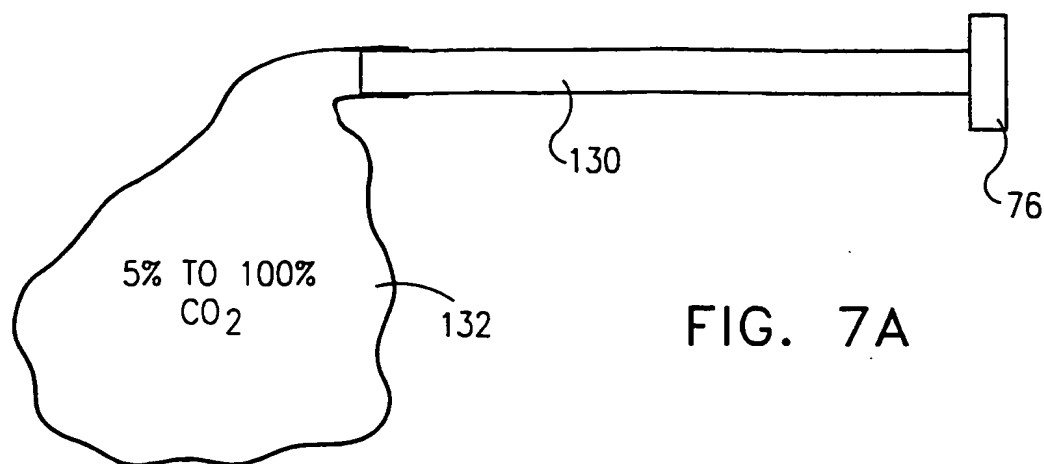


FIG. 7B

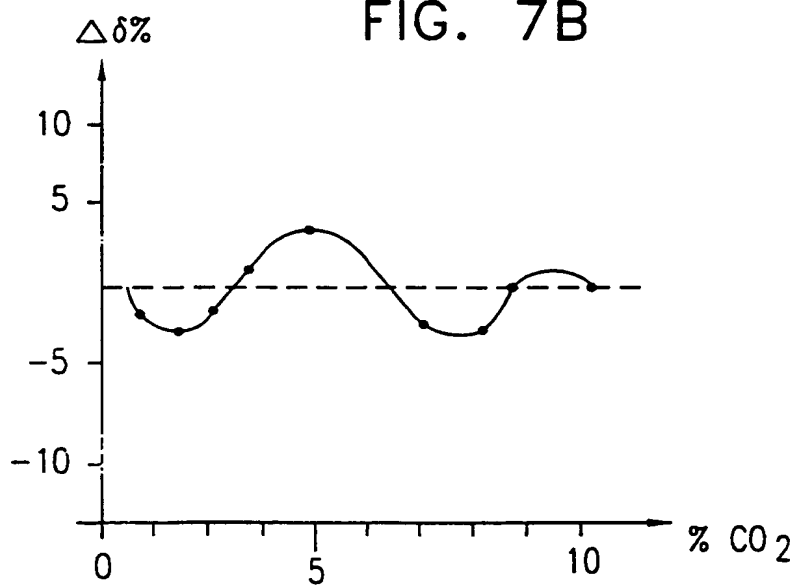
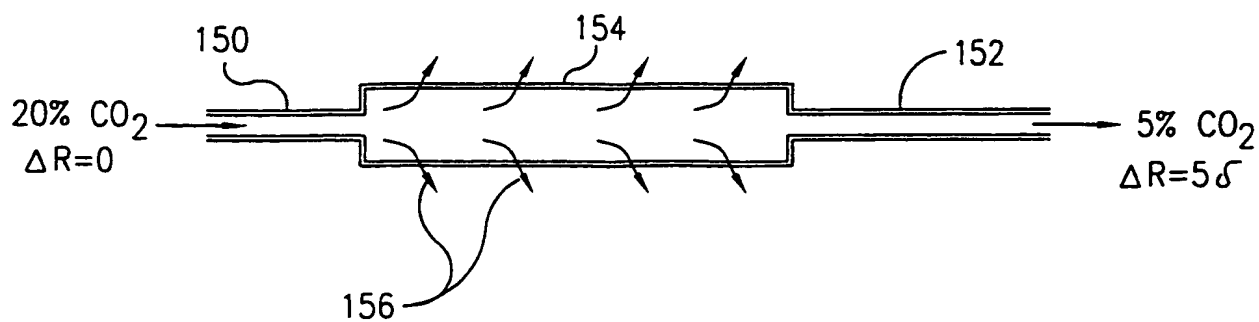
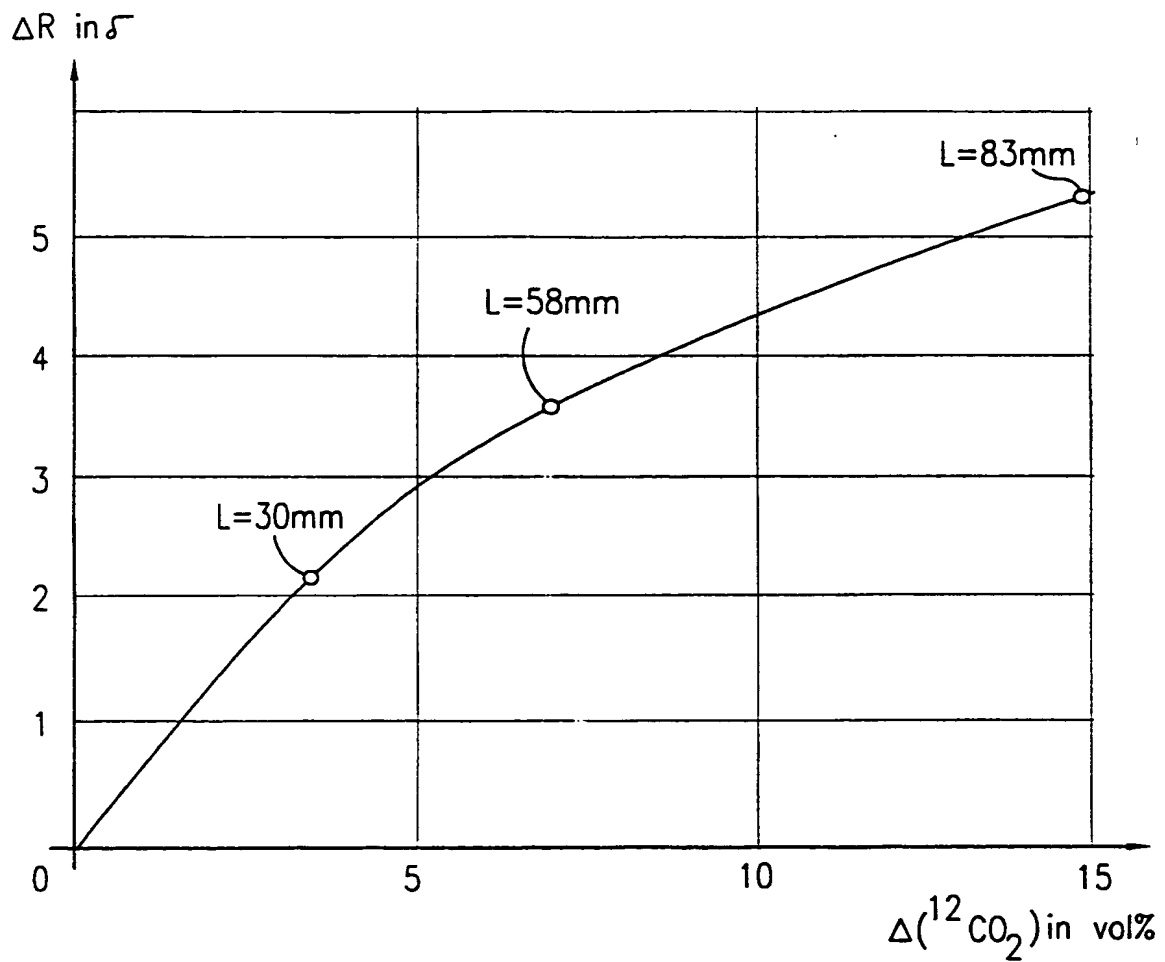


FIG. 8



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FIG. 9



$$\Delta(^{12}\text{CO}_2) = (^{12}\text{CO}_2)_{\text{in}} - (^{12}\text{CO}_2)_{\text{out}}$$

$$(^{12}\text{CO}_2)_{\text{out}} = 5\% = \text{constant}$$

$$Q = 250\text{ml/min} = \text{constant}$$

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FIG. 10

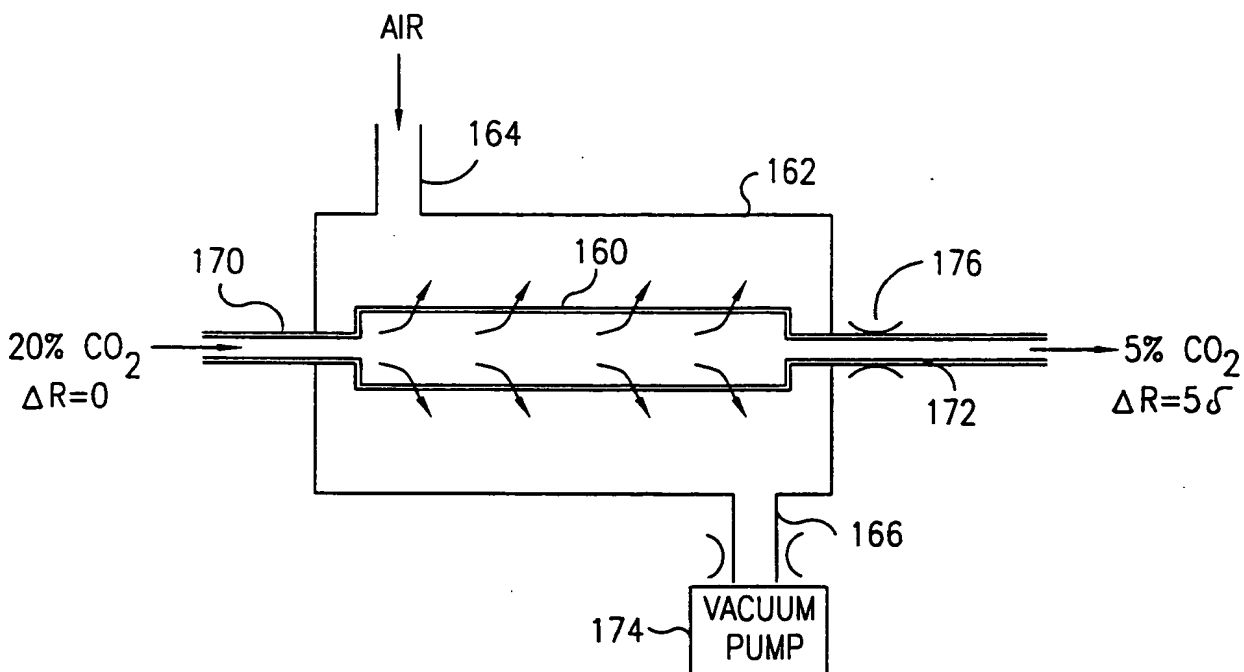


FIG. 11

100% CO₂
 $\Delta R=0$

Q=50 ml/min

20% CO₂
 $\Delta R=0$

Q=200 ml/min

5% CO₂
 $\Delta R=56$

Q=250 ml/min

Q=12.5 ml/min

Q=237.5 ml/min

AIR

180

182

184

186

188

190

192

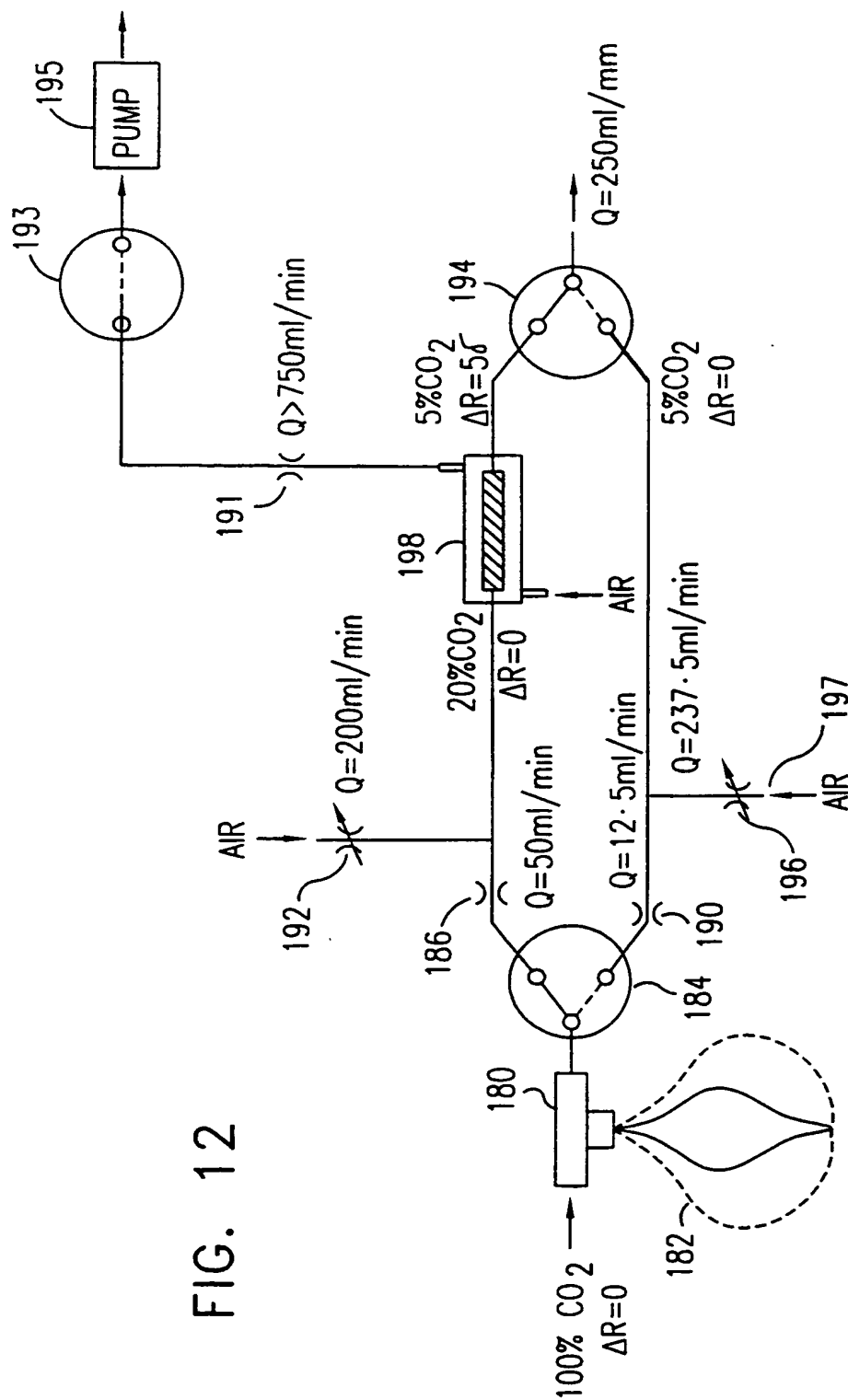
194

196

197

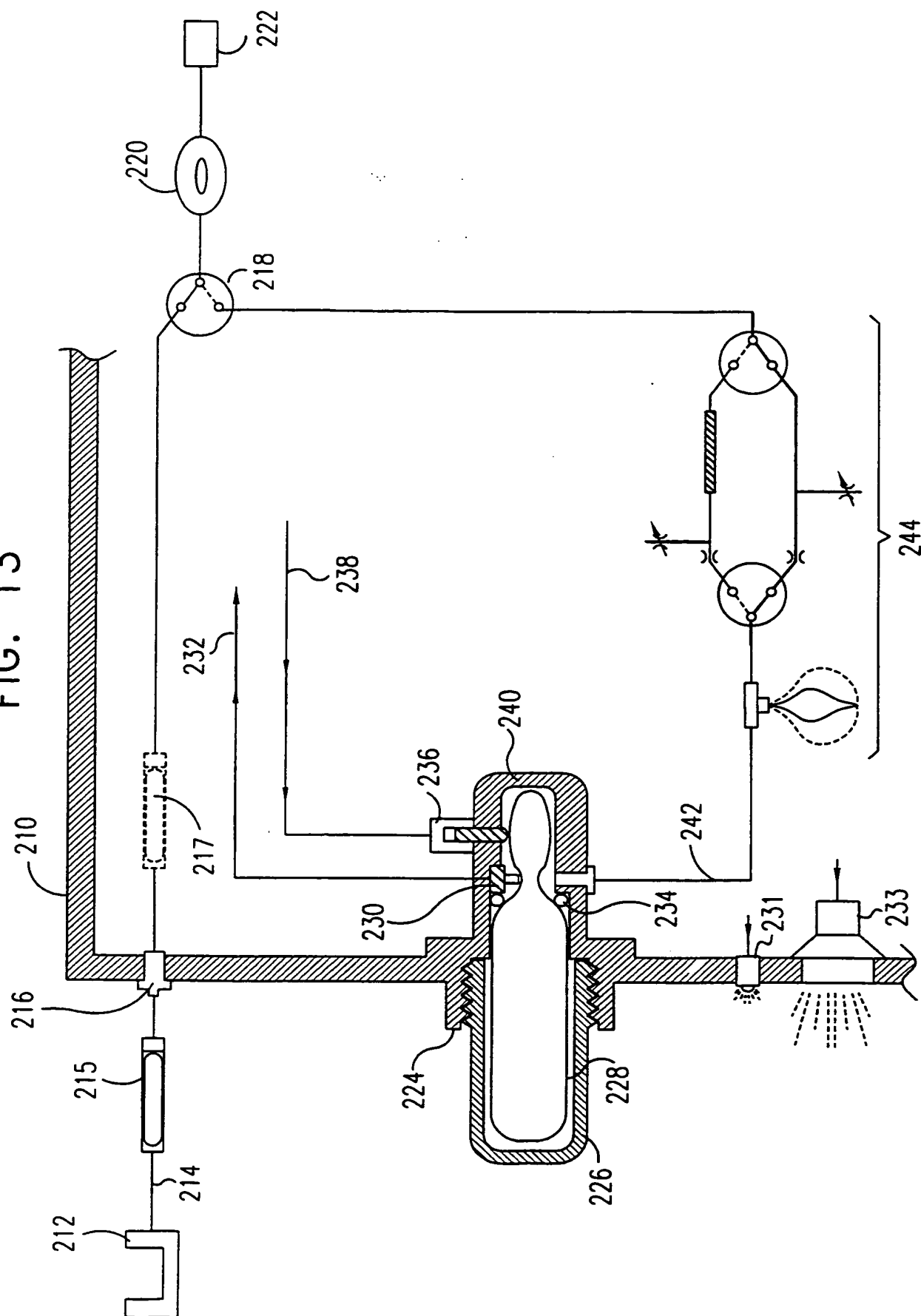
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FIG. 12



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FIG. 13



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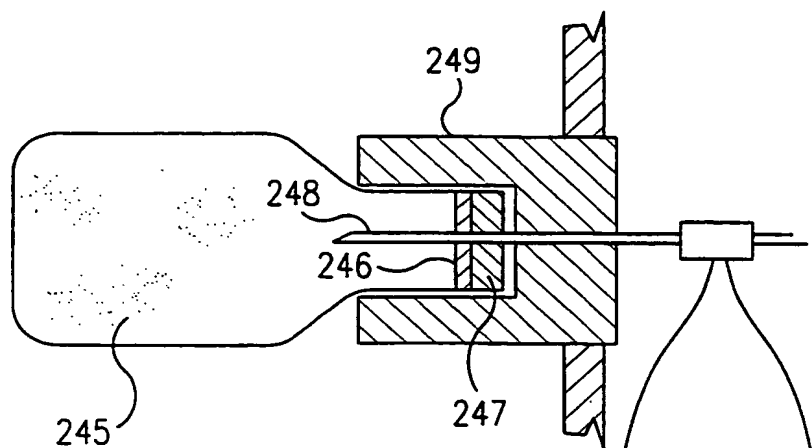


FIG. 14

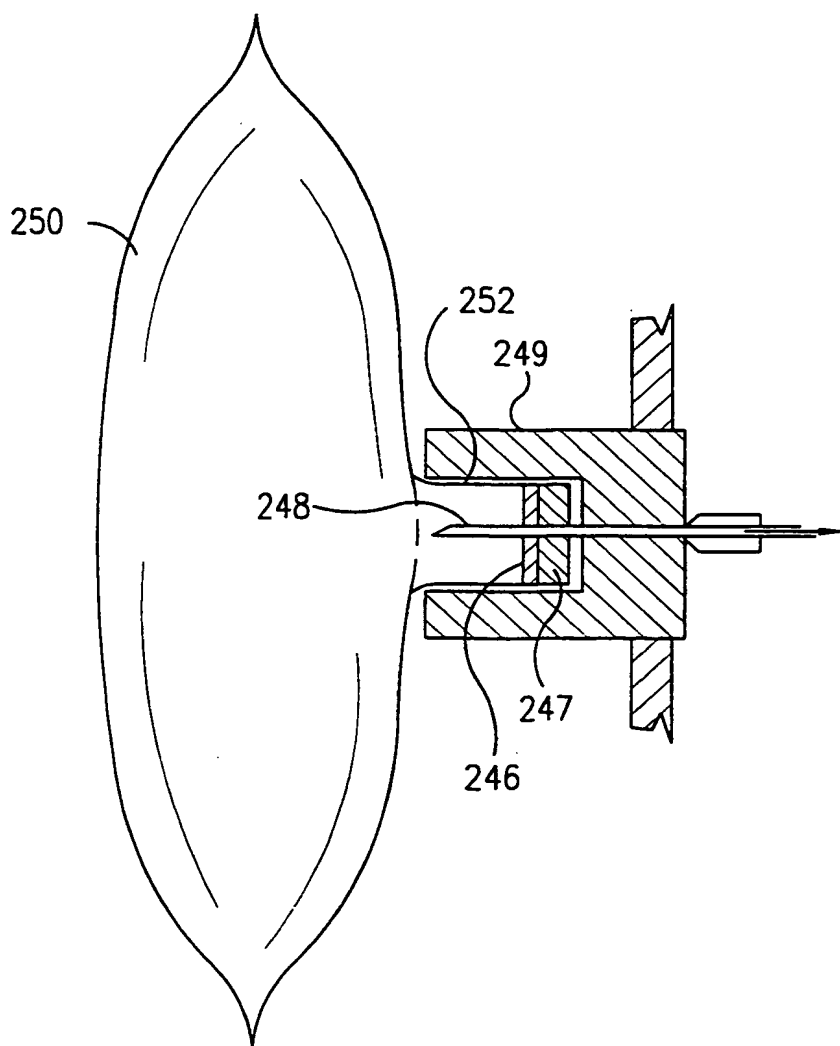


FIG. 15

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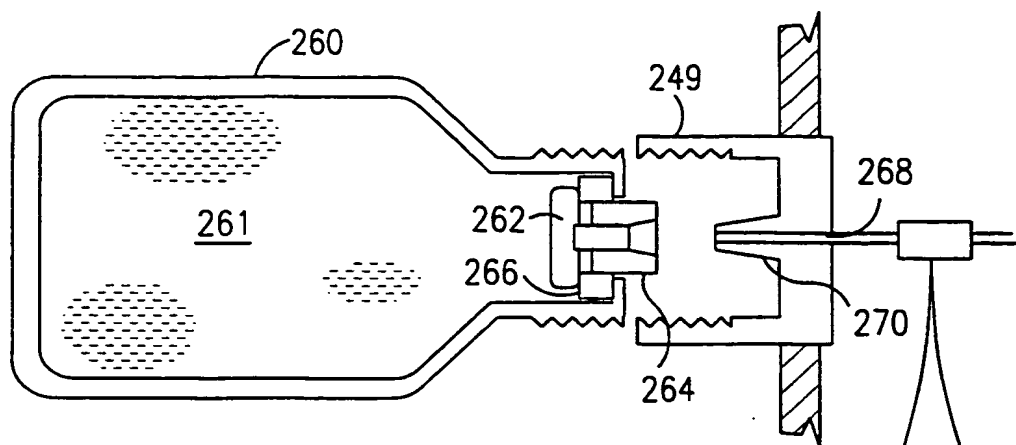


FIG. 16A

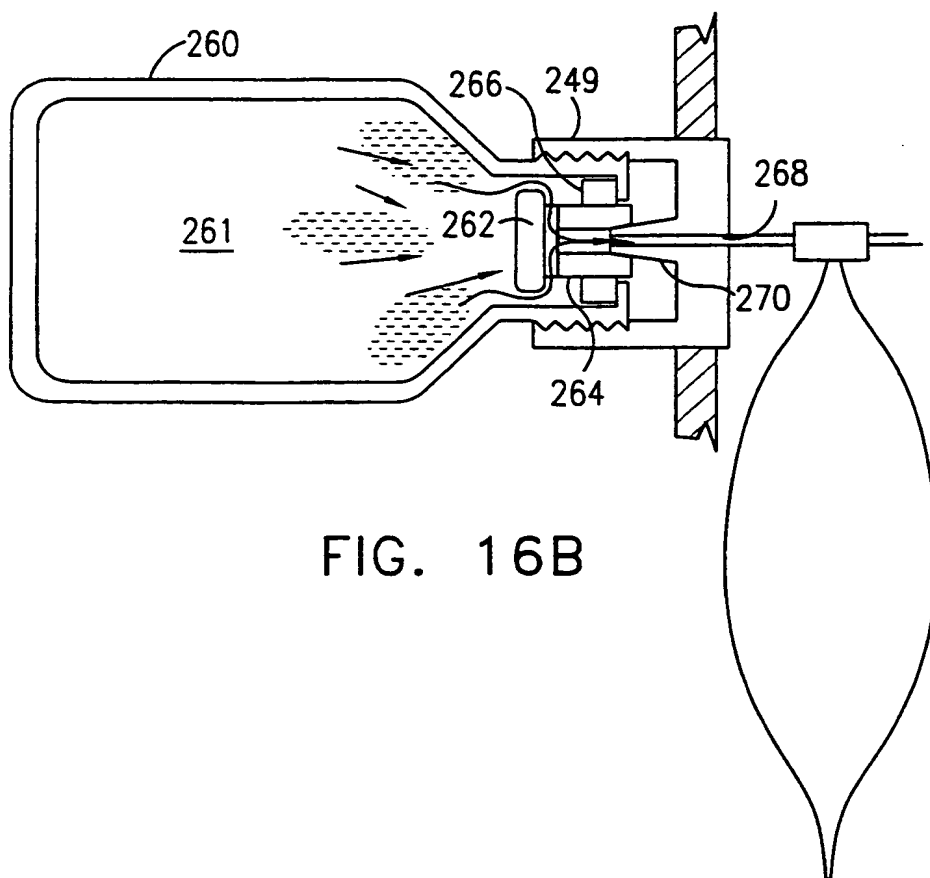
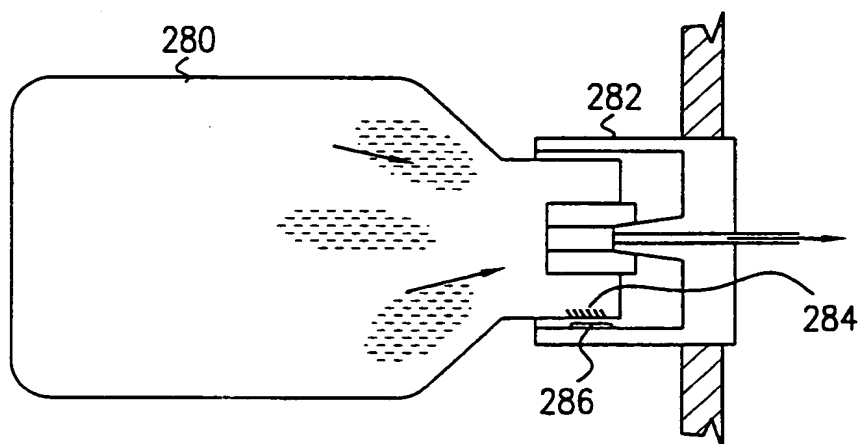


FIG. 16B

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FIG. 16C



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FIG. 17A

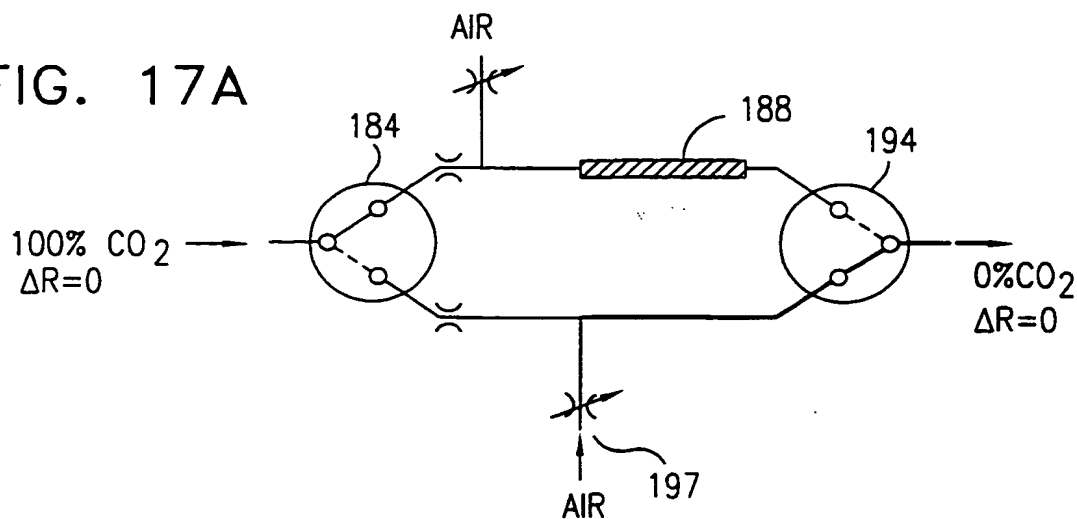


FIG. 17B

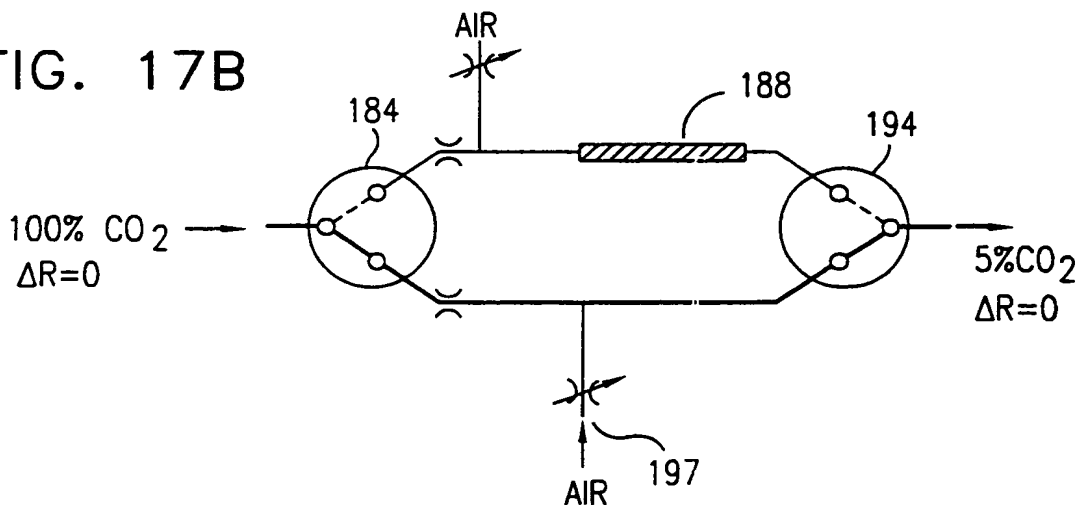


FIG. 17C

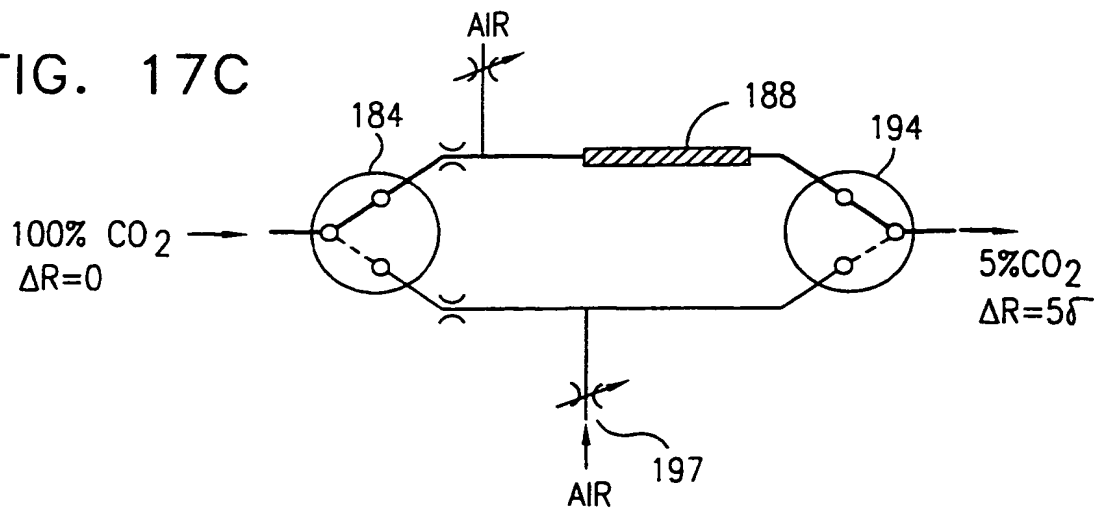
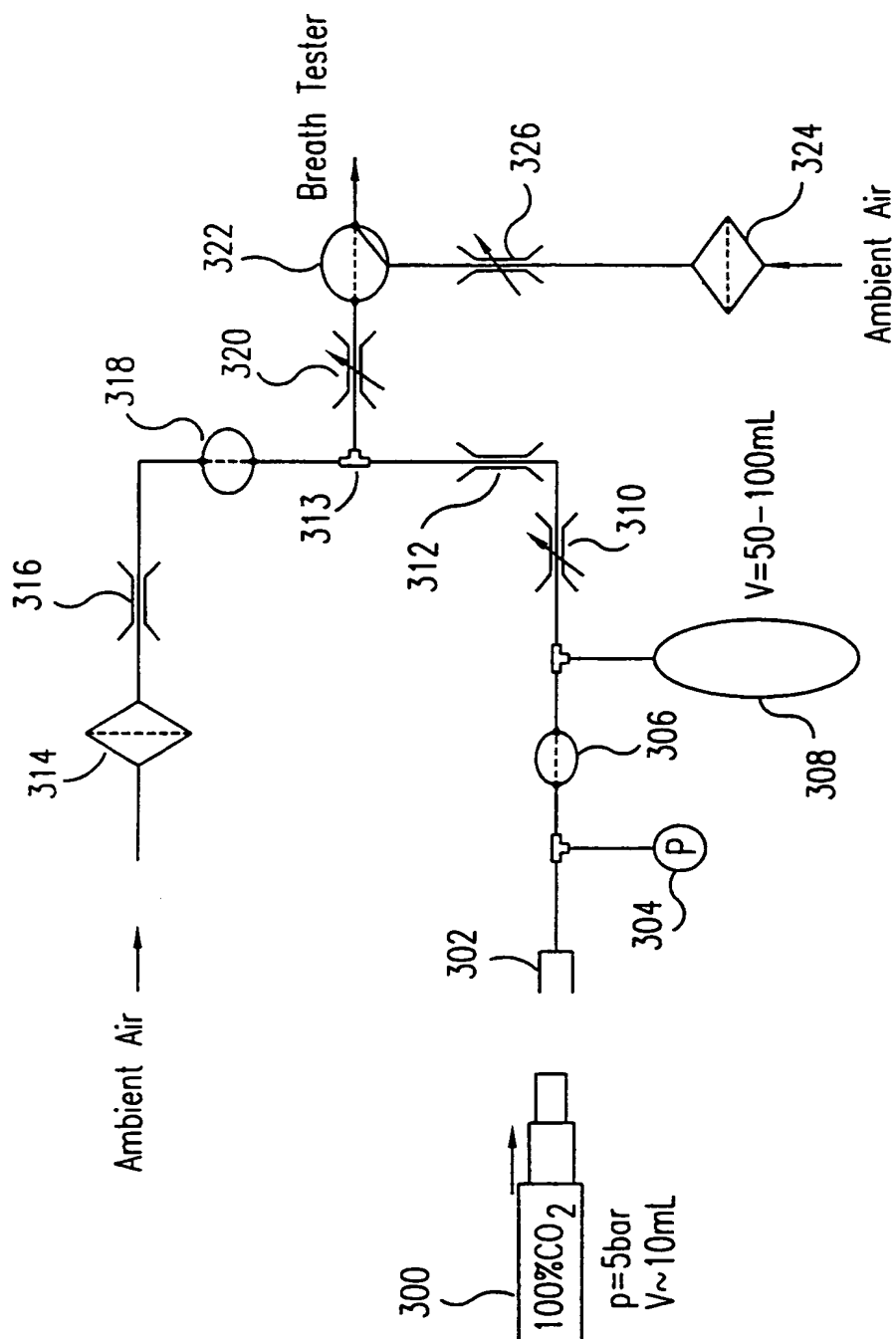
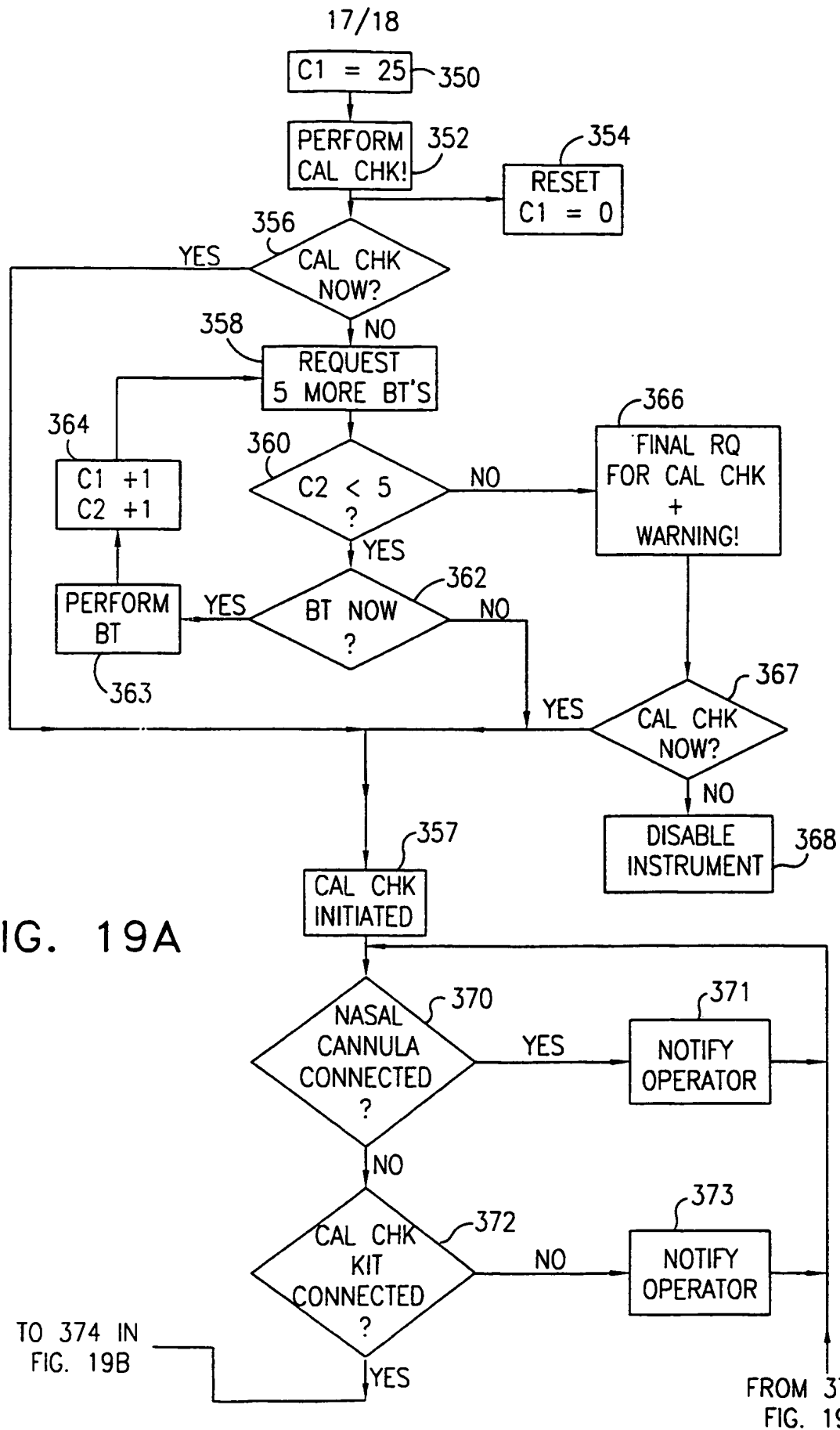


FIG. 18





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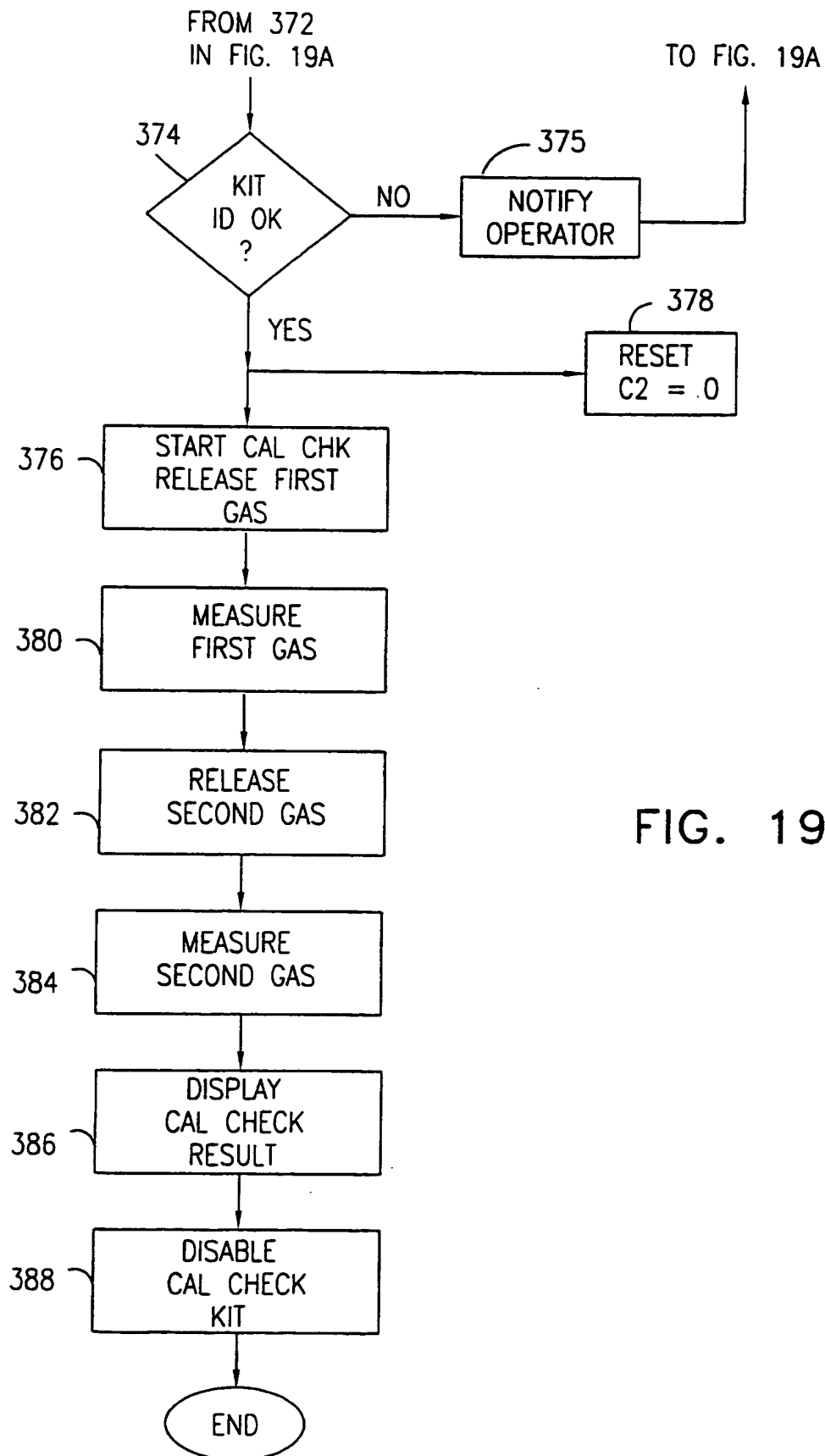


FIG. 19B